

In the claims

Please cancel claims 4, 5, 19, 25, 26 and 28-56.

Please amend claim 21 as follows:

21. A method for binding a ZFP transcription factor to a binding site, wherein the binding site is located within a region of interest in cellular chromatin, wherein the method comprises:

- (a) identifying an accessible region within the region of interest;
- (b) identifying a zinc finger protein (ZFP) binding sequence within the accessible region;
- (c) designing or selecting a ZFP to bind to the binding sequence; and
- (d) introducing the ZFP into the cell;

whereby the ZFP binds to the binding site.

Please add new claims 57-86, as follows.

57. A complex between an exogenous molecule and a binding site in cellular chromatin, wherein the binding site is in an accessible region of cellular chromatin.

58. The complex of claim 57, wherein the exogenous molecule is a nucleic acid.

59. The complex of claim 58, wherein the nucleic acid is a triplex-forming nucleic acid.

60. The complex of claim 57, wherein the exogenous molecule binds in the minor groove of double-stranded DNA.

61. The complex of claim 57, wherein the exogenous molecule is a small molecule therapeutic.

62. The complex of claim 57, wherein the exogenous molecule is a protein.

63. The complex of claim 62, wherein the protein is a transcription factor.

64. The complex of claim 63, wherein the transcription factor is a zinc finger protein (ZFP).

65. The complex of claim 57, wherein the accessible region is a nuclease hypersensitive region.

66. A cell comprising the complex of claim 57.

67. The cell of claim 66, wherein the exogenous molecule is a protein.

68. The cell of claim 67, wherein the protein is encoded by a nucleic acid introduced into the cell.

69. The cell of claim 66, wherein the cell is a plant cell.

70. The cell of claim 66, wherein the cell is an animal cell.

71. The cell of claim 66, wherein the cell is a human cell.

72. A method for modulating the transcription of a gene in a cell, wherein the gene is present in a chromosome of the cell, by binding an exogenous molecule to a binding site in the chromosome, wherein the binding site is in an accessible region of cellular chromatin.

73. The method of claim 72, wherein modulation comprises activation of transcription.

74. The method of claim 72, wherein modulation comprises repression of transcription.

75. The method of claim 72, wherein the exogenous molecule is a nucleic acid.

76. The method of claim 75, wherein the nucleic acid is a triplex-forming nucleic acid.

77. The method of claim 72, wherein the exogenous molecule binds in the minor groove of double-stranded DNA.

78. The method of claim 72, wherein the exogenous molecule is a small molecule therapeutic.

79. The method of claim 72, wherein the exogenous molecule is a protein.

80. The method of claim 79, wherein the protein is a transcription factor.

81. The method of claim 80, wherein the transcription factor is a zinc finger protein (ZFP).

82. The method of claim 72, wherein the accessible region is a nuclease hypersensitive region.